

FIGURE 1

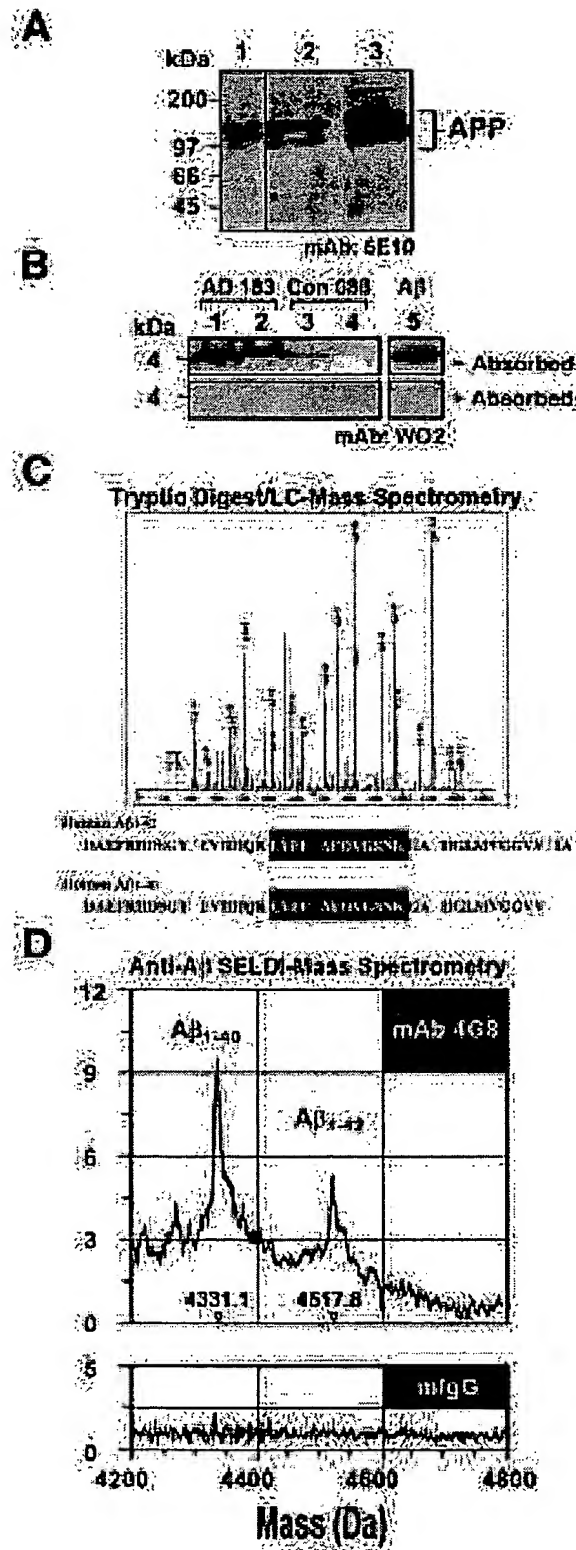


FIGURE 2

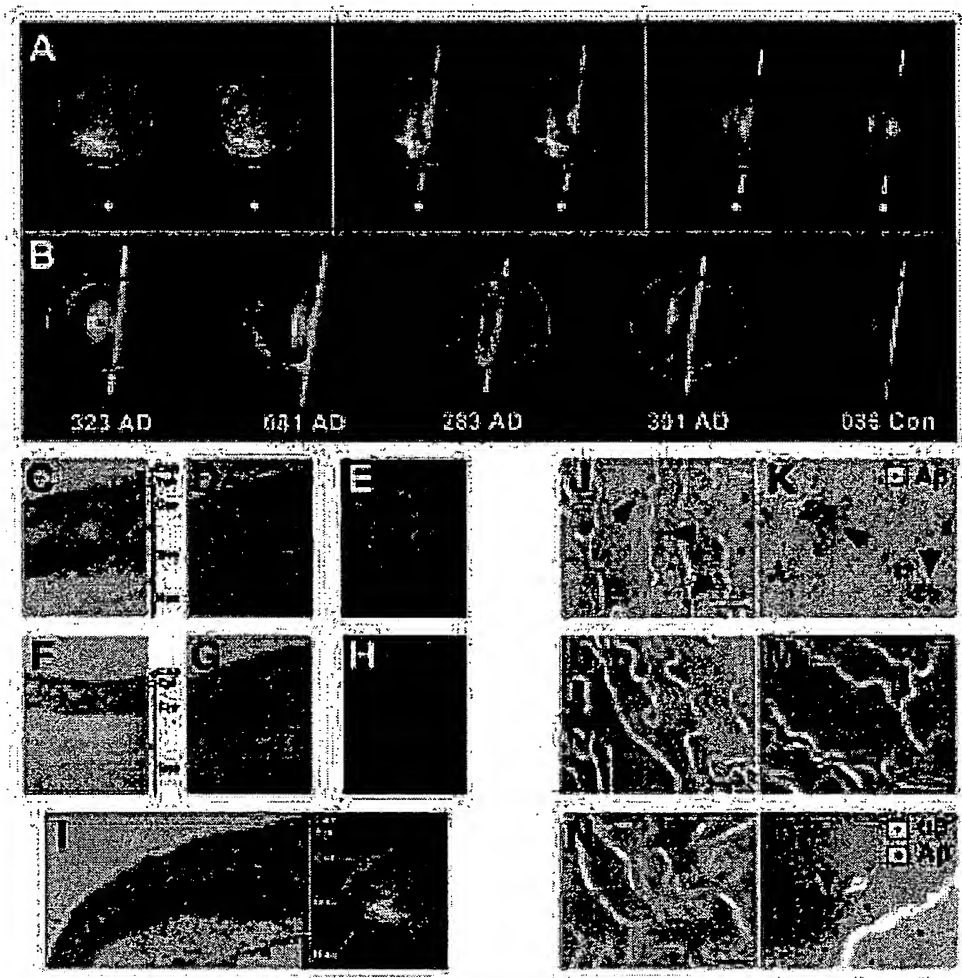


FIGURE 3

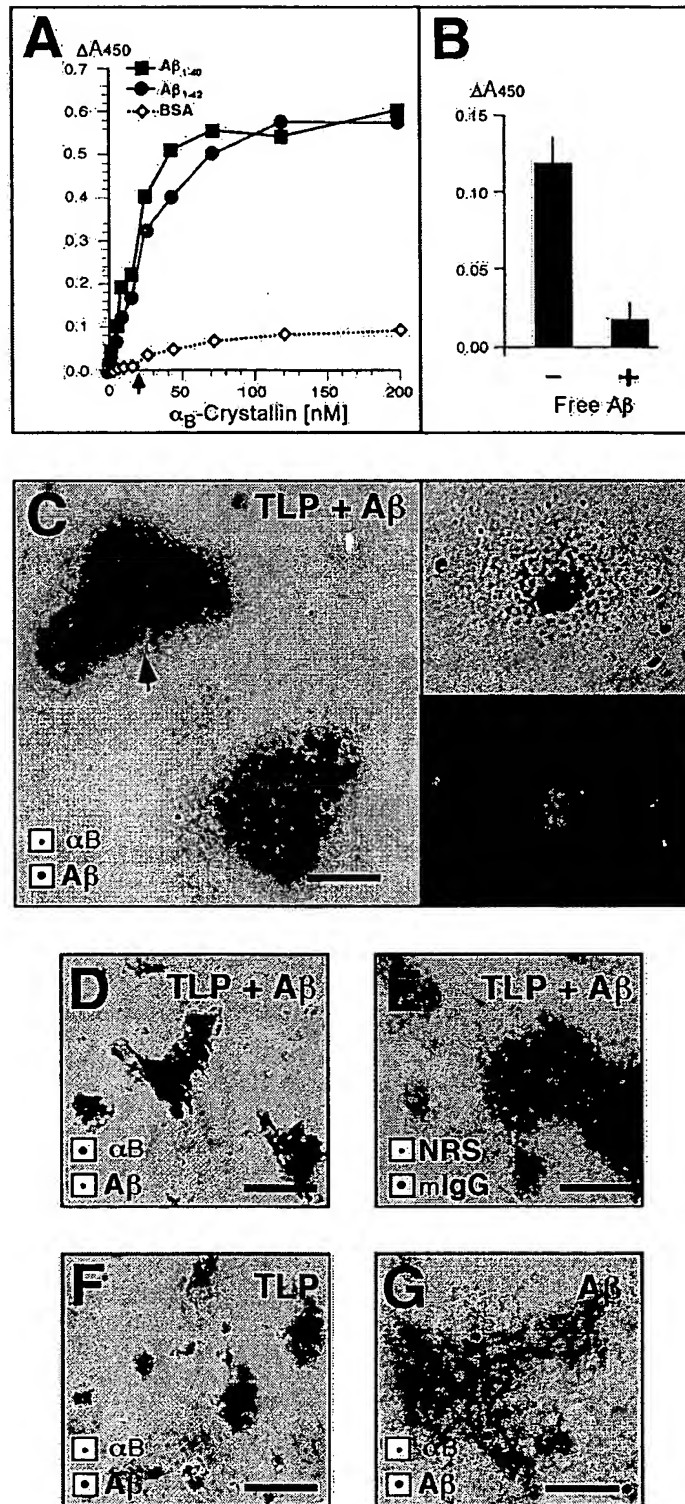
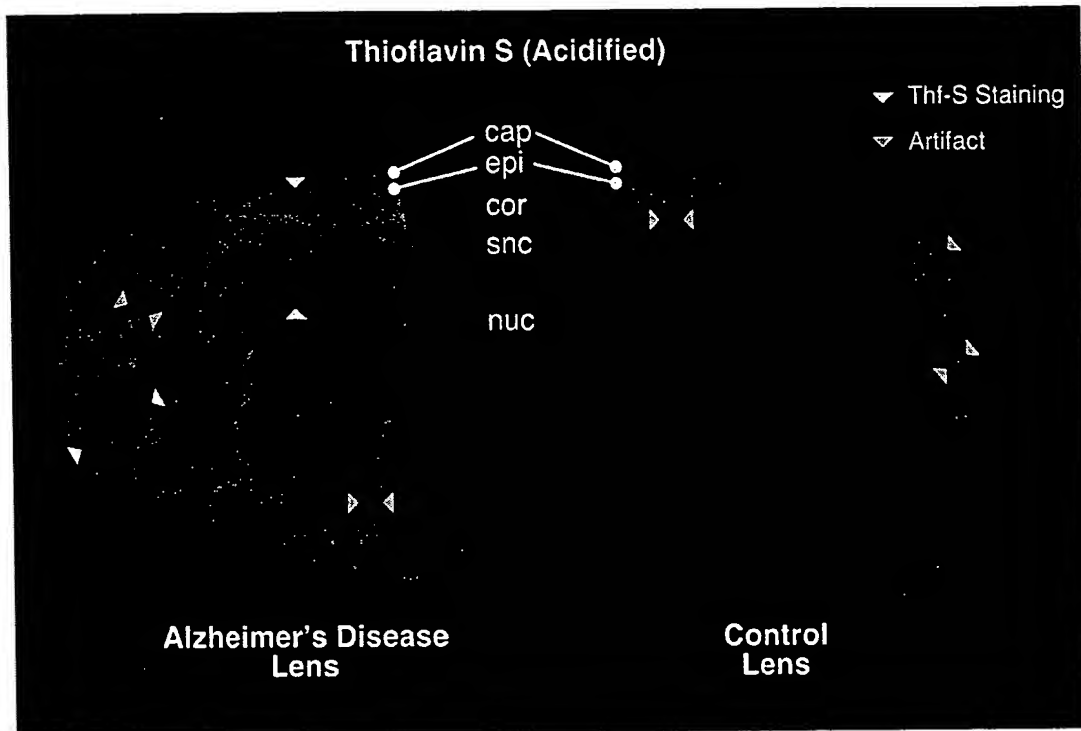
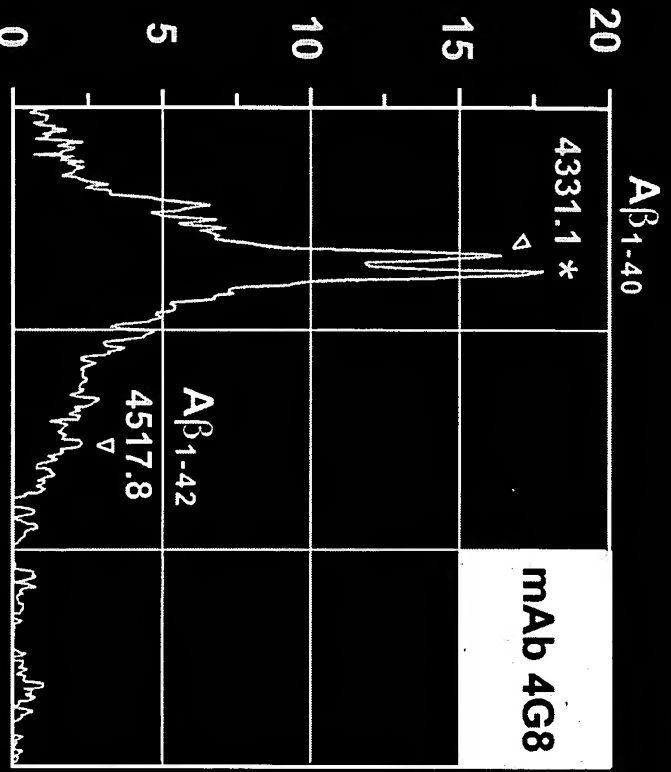


Fig. 4



Biochemical Confirmation of A β in Human Aqueous Humor

Anti-A β SELDI Mass Spectrometry



- Primary Aqueous Humor
- Aq Humor [A β] ~29.0 μ g/L
- A β ₄₀ & oxidized A β (A β ₄₀)_{ox}
- A β ₄₀ (A β ₄₀)_{ox} >> A β ₄₂
- A β secreted by lens epithelium

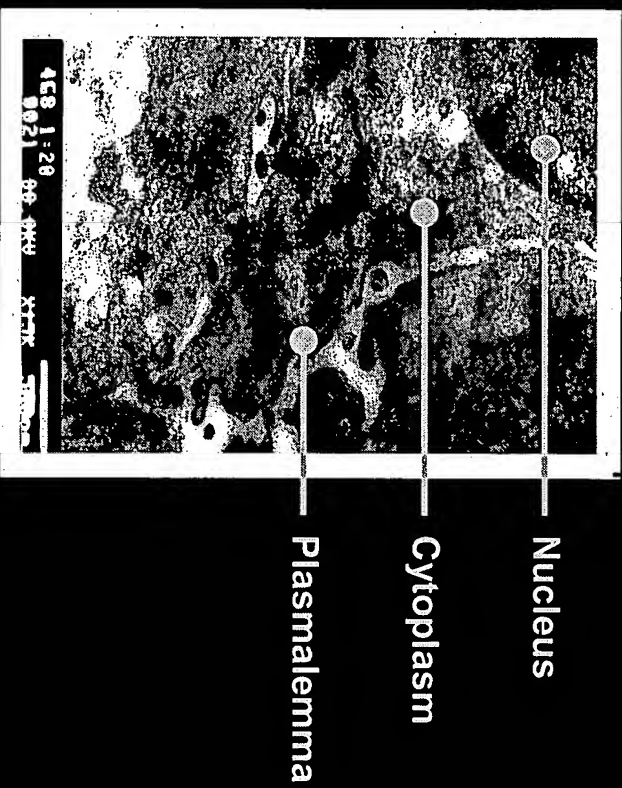
Fig. 5A

Fig. 5B

Fig. 6

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B3 Lens Epithelial Cells (LEC)
(Anti-A β Immunogold EM)



- A β is undetectable in LEC cytosol
- LEC secrete A β (CM $\sim 175 \pm 17$ pg/ml)
- Express LRP, internalize A β and A $_2$ M*
(RAP inhibitable)